



PORT AND BOROUGH OF KING'S LYNN

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

(C. T. JONES, M.R.C.S., L.R.C.P., D.P.H., D.I.H.,)

FOR THE YEAR

1961

INCLUDING THE REPORT

of the

Senior Public Health Inspector

(N. B. JONES, M.R.S.H., M.A.P.H.I.)

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BOROUGH OF KING'S LYNN

PUBLIC HEALTH STAFF

Medical Officer of Health

J. HAMILTON, M.B., Ch.B., D.P.H.,
Health Department, Town Hall,
King's Lynn.

Tel. No. : King's Lynn 5001-6. Ext. 5.
till 7th April, 1961.

C. T. JONES, M.R.C.S., L.R.C.P., D.P.H., D.I.H.,
Health Department, Town Hall,
King's Lynn.

Tel. No. : King's Lynn 5001-6. Ext. 5.
From 1st May, 1961.

Senior Public Health Inspector.

N. B. JONES, M.R.S.H., M.A.P.H.I.

Additional Public Health Inspectors

R. A. GREEN, M.A.P.H.I.

G. D. OLIVER, M.R.S.H., M.A.P.H.I., Dip. R.I.
R.I.P.H.H.
till 14th October, 1961.

Slaughterhouse Manager

G. STEPHENSON, M.R.S.A.(Scot).,
M.A.P.H.I., A.R.S.H.

PORT AND BOROUGH OF KING'S LYNN

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH

To: The Mayor, Alderman and Councillors of the Borough of King's Lynn.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present a report for the year 1961.

Dr. Hamilton retired on 7th April and I began work on 1st May. A short period of overlap would have enabled me to have benefited more from Dr. Hamilton's long experience of the area. However, he had gone to considerable pains to minimise my difficulties by writing a precise summary. For this I am very grateful.

1961 was a measles year and 379 cases were notified.

The Mass Radiography Unit visited during the year and largely as a result of their work 22 cases of tuberculosis were discovered in the Borough.

Lung Cancer caused 13 deaths—the figure has been in this region for some years—and is unlikely to fall as the national figures for these deaths continue to increase by about 8 per cent per year.

There were 10 deaths from Chronic Bronchitis, this figure too has for some years been much the same. The main group cause of death was again disease of the heart and blood vessels accounting for 145 out of the total 381.

There were 4 deaths caused by motor vehicles.

The general health of the community was good through the year.

I have the honour to be,

Your obedient Servant,

C. T. JONES,
Medical Officer of Health.

VITAL STATISTICS

Estimated Mid-Year Population (Registrar-General): 27,310.

Births.

LIVE BIRTHS:

Number	...	...	...	...	...	481	
Rate per 1,000 population	...	...	...	...	...	17.5	(17.4)
Illegitimate Live Births per cent of the total Live Births	...	...	...	...	...	6.9	

STILL BIRTHS:

Number	...	...	...	...	...	10	
Rate per 1,000 total Live Births and Still Births	...	...	...	...	...	20.3	(19.1)

TOTAL LIVE AND STILL BIRTHS ... 491

Infantile Mortality Rates.

Infant Deaths (under 1 year)	...	...	13	
Infant Mortality per 1,000 total live births			27	(21.4)
Infant Mortality per 1,000 total legitimate births	...	...	29	
Infant Mortality per 1,000 total illegitimate births	...	...	0	
Neonatal Mortality Rate (deaths under 4 weeks per 1,000 Live Births)	...	...	12.4	(15.5)
Perinatal Mortality Rate (Still Births and Deaths under 1 week combined per 1,000 total Live and Still Births)	...	...	10.4	(32.2)

MATERNAL MORTALITY (Including Abortion) Nil

Deaths.

Males — 165; Females — 153;	...	Total: 318	
Death Rate per 1,000 population	...	11.1	(12.0)
Tuberculosis: Respiratory	...	2	
Rate per 1,000 population	...	.07	
Cancer of Lung and Bronchus	...	13	
Rate per 1,000 population	...	.47	(.54)
Cancer: Other Forms	...	53	
Rate per 1,000 population	...	1.9	
Births exceeded deaths by 163			

(Figures in parentheses are National Averages)

About 70 per cent of deaths were in the 65 years and over age group.

45 per cent (145) of deaths were due to diseases of the heart and circulation.

20.7 per cent (66) of deaths were due to cancer (23 women and 43 men).

Chronic Bronchitis accounted for 10 deaths. This is a disease where the number of deaths does not fully reflect the extent of ill health caused by it. The deaths are just that piece of the iceberg that shows in the returns.

Pulmonary Tuberculosis caused 2 deaths — 1 woman and 1 man.

Chest Infections — Pneumonia, Bronchitis and Tubercle caused 12 per cent of deaths.

There were 4 deaths from motor vehicle accidents all women, other accidents accounted for 13 deaths.

There were two suicides, both men

CLASSIFICATION OF DEATHS ACCORDING TO DISEASES

<i>Causes of Death</i>							<i>Male Female Total</i>		
1.	Tuberculosis: Respiratory ...	...	...	...	...	...	1	1	2
2.	Tuberculosis: Other Forms	...	...	...	...	...	—	—	—
3.	Syphilitic Disease	...	...	...	...	...	—	—	—
4.	Diphtheria	...	...	...	...	...	—	—	—
5.	Whooping Cough	...	...	...	...	...	—	—	—
6.	Meningococcal Infections	...	...	...	...	...	—	—	—
7.	Acute Poliomyelitis	...	...	...	...	...	—	—	—
8.	Measles	...	...	...	...	...	—	—	—
9.	Other Infective and Parasitic Diseases	...	...	...	...	...	—	—	—
10.	Malignant Neoplasm: Stomach	...	...	...	...	...	9	4	13
11.	Malignant Neoplasm: Lung and Bronchus	...	...	...	...	...	9	4	13
12.	Malignant Neoplasm: Breast	...	...	...	...	...	—	5	5
13.	Malignant Neoplasm: Uterus	...	...	...	...	...	—	3	3
14.	Other Malignant and Lymphatic Neoplasms	...	...	...	...	...	22	7	29
15.	Leukaemia: Aleukaemia	...	...	...	...	...	3	—	3
16.	Diabetes	...	...	...	...	...	1	2	3
17.	Vascular Lesions of Nervous System	...	...	...	...	...	20	23	43
18.	Coronary Disease: Angina	...	...	...	...	...	40	21	61
19.	Hypertension with Heart Disease	...	...	...	...	...	—	3	3
20.	Other Heart Diseases	...	...	...	...	...	5	17	22
21.	Other Circulatory Disease	...	...	...	...	...	7	9	16
22.	Influenza	...	...	...	...	...	1	2	3
23.	Pneumonia	...	...	...	...	...	8	18	26
24.	Bronchitis	...	...	...	...	...	7	3	10
25.	Other Diseases of Respiratory System	...	...	...	...	...	4	—	4
26.	Ulcer of Stomach and Duodenum	...	...	...	...	...	1	—	1
27.	Gastritis, Enteritis and Diarrhoea	...	...	...	...	...	—	—	—
28.	Nephritis and Nephrosis	...	...	...	...	...	1	—	1
29.	Hyperplasia of Prostate	...	...	...	...	...	2	—	2
30.	Pregnancy, Childbirth, Abortion	...	...	...	...	...	—	—	—
31.	Congenital Malformations	...	...	...	...	...	3	—	3
32.	Other Defined and Ill-Defined Diseases	...	...	...	...	...	14	19	33
33.	Motor Vehicle Accidents	...	...	...	...	...	—	4	4
34.	All other Accidents	...	...	...	...	...	5	8	13
35.	Suicide	...	...	...	...	...	2	—	2
36.	Homicide	...	...	...	...	...	—	—	—

Cases of Infectious Diseases Classified in Age Groups and Localities, 1961.

	AGE GROUPS								WARDS						
	Total all Ages	Under 1	1-5	5-15	15-25	25-45	45-65	Over 65	St. Gay-wood	Cen- tral	Mar- garet's	South West	North		
Scarlet Fever	10	—	—	9	1	—	—	—	4	3	—	—	2	1	
Measles	379	14	169	194	1	1	—	—	80	70	10	30	49	140	
Dysentery	24	—	1	17	4	1	1	—	5	5	2	1	6	5	
Pneumonia	15	4	3	3	—	—	1	4	5	—	2	1	4	3	
Tuberculosis (Pulmonary)	22	—	—	2	3	12	4	1	6	5	—	1	6	4	
Tuberculosis (Non-Pulmonary)	1	—	—	—	—	1	—	—	—	—	—	—	1	—	
Puerperal Pyrexia...	1	—	—	—	1	—	—	—	—	—	—	—	1	—	
Jaundice	4	—	—	4	—	—	—	—	—	—	—	—	—	4	
Erysipelas	1	—	—	—	—	—	1	—	1	—	—	—	—	—	
Whooping Cough	1	1	—	—	—	—	—	—	—	—	—	—	1	—	
TOTAL	458	19	173	229	10	15	7	5	101	83	14	33	70	157	

INFECTIOUS DISEASES

The total notified were 458 compared with 176 last year. 379 of these were measles. 1961 was a "Measles Year" — Measles tends to be more common on alternate years.

24 cases of dysentery were notified — 18 of them being under 15. These were mainly from schools where two outbreaks of mild Sonne Dysentery occurred.

22 cases of Pulmonary Tuberculosis were notified (10 in 1960). This increase was due to cases discovered as a result of the visit of the Mass Radiography Unit. Follow up of these revealed that their present housing conditions were satisfactory:—

VACCINATION AND IMMUNISATION

Vaccination.

Vaccination against smallpox for the combined area including Freebridge :—

				<i>Primary</i>	<i>Re-Vaccination</i>
Under 5 years	...	...	...	252 (268)	14 (3)
5 - 14 years	...	...	...	23 (17)	24 (5)
15 and over	...	...	...	53 (29)	105 (50)
Total :				328 (314)	143 (58)

Immunisation.

Diphtheria, Whooping Cough, and Tetanus, for the combined area including Freebridge :—

				<i>Primary</i>	<i>Boosters</i>
Under 5 years	...	...	...	537 (476)	20 (40)
5 - 14 years	...	...	...	174 (109)	166 (297)
Total :				711 (585)	186 (337)

Tuberculosis.

Skin testing and Vaccination figures for schools in King's Lynn Borough :—

Number skin tested	528 (478)
Number negative to test	459 (403)
Number vaccinated with B.C.G. Vaccine	454 (402)

Poliomyelitis.

Figures include Freebridge R.D.C. :—

	<i>Two Injections</i>	<i>Three Injections</i>	<i>Four Injections</i>
Children born in years 1956 - 1961.	337 (200)	402 (512)	191 (-)
Children born in years 1943 - 1955	182 (30)	163 (602)	2243 (-)
Young Persons born years 1933 - 1942	206 (62)	270 (1211)	—
Persons born before 1933	481 (323)	872 (283)	—
	<hr/> 1206 (615) <hr/>	<hr/> 1707 (2608) <hr/>	<hr/> 2434 (-) <hr/>

(Figures in parenthesis are those for 1960).

The state of preventive inoculation against Poliomyelitis amongst school children is high. It is much less high amongst the older age groups eligible. The tendency in recent years has been for this disease to be more severe in adults than in children.

HOUSING

I am obliged to Miss M. L. Keith, Housing Manager, for the following report :—

This year some 58 families from slum clearance areas, the Railway Road extension area, and individual unfit houses, have been rehoused by the Council, as well as 24 families from the “General Needs” list of whom 10 were to be evicted from their private dwellings. Also, 102 families in existing Council houses were transferred to larger or smaller dwellings appropriate to their needs, and three transfers were arranged between families from other town and King’s Lynn families.

The applicants register contains some 214 names of families in urgent need — 139 of these are couples, or couples with children, without a home of their own — 22 are families with a home, but living in overcrowded conditions and in need of additional bedroom space, 21 families live in caravans in unsatisfactory conditions, and 34 are either under Notice to Quit, in furnished accommodation they cannot afford, or in sub-standard properties.

In June last the Mayor received the Polish refugee family, to whom the Council generously allocated a 3 bedroomed Council house on the Seabank estate in connection with "World Refugee Year". The family was helped by the Rotary Club of Lynn (Round Table) who made themselves responsible for the initial furnishings, first week's supply of food, and who found a job for the man soon after his arrival. It is good to report that the experiment has met with unbounded success. The family were overjoyed to have a house of their own for the first time in the lives of the children, and the first time in the adult lives of the parents. They soon brought the garden into cultivation, saved up for additional furniture and established themselves happily in Alice Fisher Crescent. The two eldest children, a boy of 11 years and a girl of 13 years attend school and are beginning to speak English quite fluently. When the Settlement Officer from Headquarters visited Lynn recently he was both pleased and impressed at the way the family have "settled" and was warm in his thanks for all that has been done.

Pre-war houses are undergoing "modernisation" repairs which include a hot water supply to every house, to sink, washbasin and bath, the addition of electrical points, and in some cases the conversion of W.C.'s from a yard entry to entry from the house. Nearly 1,000 dwellings have to be done and it is hoped to have this completed in 2 - 3 years. We look forward in 1962 to a full scale renewal of building and letting to those in need and particularly the families from Providence Street and Colby's Yard houses awaiting demolition, and also families from the second stage of the Highgate development. In this latter area the Council's experiment in adapting an old Mission Hall for use as Communal Centre for residents of the estate is awaited with interest by all the Highgate dwellers.

ANNUAL REPORT

of

Senior Public Health Inspector

on the

Sanitary Circumstances of the Area

SANITARY CIRCUMSTANCES OF THE AREA

The Borough Engineer has kindly supplied the following information concerning the Town's Water Supply, Sewerage, and Disposal of Refuse Services:—

Water Supply.

1. The water supply in the area has been entirely satisfactory in both quality and quantity during the year. Continuous and regular sampling of water has been undertaken from consumers' taps in the town and surrounding district, and of water before chlorination at Gayton and Hillington Pumping Stations.

Altogether 454 samples were taken and forwarded for analysis. Of these samples 438 gave negative bacterial results and were entirely satisfactory. 16 samples, however, showed signs of bacterial pollution to some degree. All of these samples with one exception were of water from Gayton or Hillington Pumping Stations before chlorination. One sample was forwarded for chemical analysis and a copy of the certificate is given below:—

Certificate of Analysis of Water

Appearance of sample when received: Clear *Taste:* Satisfactory

Nature of deposit: Nil *Colour:* Nil

Odour: Nil *Reaction:* Faintly alkaline pH 7.4

Results of Chemical Analysis in parts per million

Ammoniacal nitrogen:	0.01	Hardness as CaCO_3 :	
Albuminoid nitrogen:	0.02	Total:	255
Nitrate nitrogen:	6.5	Carbonate (temporary)	105
Mitrite nitrogen:	Nil	Non-carbonate (permanent)	
Chlorine as chlorides:	20		150
Oxygen absorbed		Alkalinity as CaCO_3 :	105
(4 hr., 27 C.)	0.15	Free carbon dioxide:	33
		Total solids (at 180°C)	345
		Iron (total)	0.13
		Metals in solution other than iron	Nil

Opinion

This water is of very good organic quality and the chemical analysis shows no sign of organic pollution. The chemical characteristics of this sample do not differ significantly from those of the previous sample. In our opinion this water is fit for drinking and general purposes.

2. The waste detection service resumed in the middle of 1960 has continued satisfactorily. During the year some 3,179 defects were detected and satisfactorily repaired.

3. The total consumption of water for 1961 was less than during the previous year by both the domestic consumer and industrial user. Supplies afforded in bulk to the Freebridge Lynn Rural District showed an increase. The total quantity of water pumped into supply was 889,16 million gallons.

4. No economy appeals were necessary during the year.

5. A total of 1.12 miles of new distribution mains were laid to serve new residential development and 105 new connections made to the mains. During the year investigations were in progress to locate new sources of supply made necessary by increasing demands from new industrial expansion.

Sewerage and Sewage Disposal.

1. The sewerage system has functioned satisfactorily during the year.

2. Consequent upon the passing of the Clean Rivers (Estuary and Tidal Waters) Act, 1960, the Corporation has been giving active consideration to the problems to be met in providing a satisfactory form of treatment for the town's sewage which is at present discharged untreated into the River Ouse. Instructions have been given for a scheme to be prepared in the first instance for the sewage from the Gaywood and North Lynn areas of the Borough and investigations have been commenced. Schemes for the remainder of the Borough should follow as quickly as circumstances permit.

Public Cleansing.

1. There is no material change to record in this section of the Corporation's work. Street cleansing is carried out principally by mechanical means supplemented by manual labour in the central area of the town.

Of the total mileage of roads in the Borough, 9 miles are cleaned at least once daily, 11 miles from 3 to 6 times per week, 17 miles are cleansed twice weekly, 58 miles once a week.

Refuse Disposal.

1. Controlled tipping has taken place at the Corporation tip situated in Salter's Road, where the whole of the town's refuse is disposed of by this means. No complaints of nuisance have been received during the year.

Swimming Bath.

The King's Lynn Borough Council's Open-Air Swimming Bath has a capacity of 100,000 gallons of water and the dimensions being 100 ft. x 30 ft. The changing facilities include 25 cubicles for men and 25 cubicles for women. The water is taken from the Corporation mains, and is changed completely every five weeks and by filtration approximately once in every 8 hours. The normal

rate of chlorination is Residual approximately .25 parts per million.

Samples of bath water are taken at regular intervals, and the results of bacteriological examinations in all cases were "Coliform organisms absent in 20 mls. Number of micro-organisms developing at 37°C — Nil. Number of Micro-organisms developing at 21°C Nil.

Sanitary Inspection of the area.

The following is a summary of the work done during the year under the various Public Health and Housing Act, viz :—

1,014	Special Complaints and Visits were made.
16	Informal notices and Intimations served.
5	Formal notices served.

HOUSING STATISTICS

1. *Inspection of Dwelling Houses during the Year.*

1.	Total number of dwelling houses inspected for housing defects (under Public Health and Housing Acts).	967
2.	The number of houses that on inspection were considered to be unfit for human habitation.	39
3.	The number of houses the defects in which were remedied in consequence of informal action by the Local Authority or their Officers.	12
4.	The number of Representations made to the Local Authority with a view to :—	
	(a) the serving of Notices requiring the execution of works	2
	(b) the making of Demolition or Closing Orders.	39
5.	Number of notices served requiring the execution of works :	1
6.	The number of Houses which were rendered fit after service of formal notices, by owners	1
7.	The number of Houses which were rendered fit after service or formal notices by Local Authority in default of owners	Nil
8.	The numbers of Demolition or Closing Orders made	26
9.	The number of Houses in respect of which undertakings were accepted	3
10.	Number of Houses demolished	74

2. *Proceedings by Public Health Acts.*

1.	Number of dwellinghouses in respect of which formal notices were served requiring defects to be remedied.	4
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2. Number of such dwellinghouses in which defects were remedied after service formal notices :—

(a) By Owners	...	...	...	...	4
(b) By Local Authority	...	...	...	...	Nil

Re-Housing.

41 premises used for human habitation were visited to ascertain more complete information for the assessment of need for housing applicants.

Meetings with Owners and Tradesmen.

394 meetings were held with owners and tradesmen with regard to requirements concerning defective houses, drains, etc.

House Drains.

During the year 604 drains were tested and examined, and appropriate action taken.

Tents, Vans and Sheds.

121 inspections to tents, vans and sheds were made in respect of licences under section 269 of the Public Health Act, 1936.

Eradication of Bed Bugs and Fleas.

20 rooms were disinfected for vermin. In all cases advice was given and the Council's offer to assist with disinfection was accepted.

In addition 10 rooms of council and private houses were treated following vacation of the premises.

Prevention of Damage by Pests Act, 1949.

Two Rodent Operators were employed throughout the year and sewer treatment was carried out by them during July and December.

Arrangements have been made with several of the business premises which store quantities of food for them to be under the constant supervision of the Corporation's Operatives, and for all treatment to be carried out by them. This arrangement has been found eminently satisfactory from the point of view of both the occupied and the Corporation.

Offensive Trades.

The number of Offensive Trades on the register at the end of the year was as follows :—

Rag and Bone Dealers	...	...	...	2
Tripe Boilers	...	...	...	1
12 visits were made to the above premises.				

Disinfection.

Aerial disinfection was carried out to 30 rooms. 40 miscellaneous articles and 250 sacks were disinfected at the steam disinfecter.

INSPECTION AND SUPERVISION OF FOOD

Milk.

The following Licences were granted by the Local Authority :—

- 3 Licences for Pasteurising Establishments.
- 30 Dealer's Licences to retail Pasteurised and T.T. Milk.
- 23 Dealer's Licences to retail Sterilised Milk.

Two samples of milk were taken monthly from the three Pasteurising Establishments.

All samples satisfied the requirements of the Milk (Special Designation) Regulations, 1960.

43 samples of raw milk were submitted to the Public Analyst who reported :—

- 41 to be genuine.
- 1 deficient in solid-not-fat to the extent of 2.23 per cent the freezing point, however, indicated the absence of added water.
- 1 contained added water to the extent of 13.39 per cent. A repeat sample proved genuine.

Food and Drugs Act, 1955

24 samples of sausages and sausage meat have been submitted to the Public Analyst, who reported them to be genuine.

Informal samples of custard powder, cornflour, instant icing, batter mix, tomato soup, mixed spice, jelly, blancmange powder, horseradish relish, minced chicken, creamed rice, salmon and anchovy paste, meat paste, self raising flour, coffee, tomato ketchup, beef suet, butter, tea, lard, margarine, cheese spread, pie filling, marzipan, cake filling, and sponge mix, were submitted to the Public Analyst, who reported them to be genuine.

Ice Cream.

88 samples were submitted to the Public Health Laboratory. The Methylene Blue (Provisional Grading) results showed them all to be Grade I.

Markets.

144 visits were made to Markets during the year.

CARCASSES AND OFFAL INSPECTED AND CONDEMNED IN WHOLE OR IN PART

	<i>Cattle excluding Cows</i>	<i>Cows</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>	<i>Horses</i>
Number killed ...	2,371	26	32	3,499	6,205	Nil
Number Inspected ...	2,371	26	32	3,499	6,205	Nil
ALL DISEASES EXCEPT TUBERCULOSIS A N D CYSTICERCI:— Whole Carcasses con- demned	2	Nil	1	2	7	Nil
Carcases of which some part or organ was con- demned	486	19	10	29	626	Nil
Percentage of the num- ber inspected with di- seases other than Tu- berculosis and Cysti- cerci	20.5	73	34.4	.8	10.2	Nil
TUBERCULOSIS ONLY:— Whole carcasses con- demned	1	—	—	—	—	Nil
Carcases of which some part or organ was con- demned	18	—	—	—	133	Nil
Percentage of the num- ber inspected affected with Tuberculosis ...	.8	—	—	—	2.1	Nil
CYSTICERCUS:— Carcases of which some part or organ was condemned ...	—	—	—	—	—	Nil
Carcases submitted to treatment by refrig- eration	—	—	—	—	—	Nil
Generalised and totally condemned	—	—	—	—	—	Nil

Other Foods.

224 tins Apricots	211 tins Beans
33 tins Blackberries	968 tins Fruit Salad
191 tins Cherries	59 tins Fruit Cocktail
7 tins Cream	4 tins Grapes
173 tins Corned Beef	48 tins Grapefruit
53 tins Creamed Rice	20 tins Gooseberries
33 lbs. Cheese	109 tins Ham
1674 lbs. Chicken	224 lbs. Ham
930 tins Milk	226 lbs. Luncheon Meat
5000 lbs. Mushrooms	39 tins Mandarines
378 tins Pears	5 tins Macaroni
152 tins Pilchards	117 tins Oranges
622 tins Peas	119 tins Plums
20 tins Prunes	186 tins Pineapple
120 tins Stewed Steak	1589 tins Peaches
25 tins Salmon	375 tins Soup
255 tins Tomatoes	45 lbs. Sausages
21 tins Spaghetti	20 tins Strawberries
10 tins Tongue	12 tins Raspberries
18 tins Beetroot	27 cases Chocolate
16 tins Rhubarb	

Food and Drugs Act, 1955. ...

The number of premises registered under Section 16 of the Food and Drugs 1955, are:—

- 51 Premises for the Sale of Preserved and Potted Meat.
- 24 Fish Shops.
- 137 Premises for the Storage and Sale of Ice Cream.
- 56 Dairies registered under the Milk and Dairies Regulations, 1949/1954.
- 26 Premises registered in connection with Peeling of Shrimps.
- 1 Premises registered for Cooking of Poultry.
- 1 Premises registered for Cooking of Ham.
- 51 Inspections were carried out on premises for the Sale of Preserved and Potted Meat.
- 40 Visits were made to Fish Shops.
- 88 Visits were made to Premises licenced for the Storage and Sale of Ice Cream.
- 84 Visits were made to Dairies and Milkshops.
- 26 Visits were made to Premises where Shrimp Peeling is carried on.
- 4 Visits were made to premises where Poultry is cooked.
- 3 Visits were made to premises where Ham is cooked.

FACTORIES ACT, 1937

Part 1 of the Act.

1. Inspection for purposes of provisions as to health :—

Premises	Number on Register	Number of		Occupiers Prosecuted
		Inspections	Written Notices	
Factories with Mechanical Power	152	251	Nil	Nil
Factories without Mechanical Power	27	5	Nil	Nil
Other Premises in which Section 7 is enforced by the local Authority	16	16	Nil	Nil
	195	272	Nil	Nil

2. Cases in which defects were found :—

	Found	Remedied	Number of Cases in which defects were found	
			To H.M. Inspector	By H.M. Inspector
Inadequate Ventilation	Nil	Nil	Nil	Nil
Sanitary Conveniences:—				
(a) Insufficient	1	1	Nil	1
(b) Unsuitable or Defective	Nil	Nil	Nil	Nil
(c) Not Separate for Sexes	Nil	Nil	Nil	Nil
Other Offences	1	1	Nil	1
	2	2	Nil	2

PART VIII OF THE ACT
OUTWORK
(Sections 110 and 111)

	Section 110			Section 111		
	No. of out-workers in August (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in un-wholesome premises (5)	Notices Served (6)	Prosecutions (7)
Nature of Work (1)						
Wearing Apparel: Making, etc.	2	Nil	Nil	Nil	Nil	Nil

KING'S LYNN PORT HEALTH AUTHORITY

ANNUAL REPORT
of the
Port Medical Officer of Health
Including the Report
of the
Senior Port Health Inspector

PORT OF KING'S LYNN

ANNUAL REPORT

OF THE

Port Medical Officer of Health

To: The Mayor, Alderman and Councillors of the Borough of King's Lynn.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present my Report on the Port Health Service in King's Lynn for the Year, 1961.

The ships in the Port were 1,166.

14 nuisances were detected during the 823 inspections.

I am,

Your obedient Servant,

C. T. JONES,

Port Medical Officer of Health.

PORT OF KING'S LYNN

Section 1. STAFF.

<i>Name of Official</i>	<i>Nature of Appointment</i>	<i>Date of Appointment</i>	<i>Qualifications</i>	<i>Any other Appointments held</i>
J. HAMILTON	Port Medical Officer of	18.2.49 to 7.4.61	M.B., Ch.B., D.P.H., (D.T.M., D.T.H.)	Medical Officer of Health, Borough of King's Lynn; Medical Officer of Health Freebridge Lynn R.D.C., Assistant County Medical Officer of Health, Norfolk County Council.
C. T. JONES	Port Medical Officer of Health	1.5.61	M.R.C.S., L.R.C.P., D.P.H., D.I.H.	Medical Officer of Health, Borough of King's Lynn; Medical Officer of Health Freebridge Lynn R.D.C.; Assistant County Medical Officer, Norfolk County Council.
N. B. JONES	Senior Port Health Inspector	7.5.57	M.R.S.H., M.A.P.H.I., Cert. Meat & Other Foods, Hygiene Cert., Master Mariner	Senior Public Health Inspector, Borough of King's Lynn.
R. A. GREEN	Port Health Inspector	17.6.60	M.A.P.H.I., Cert. Meat & Other Foods	Public Health Inspector, Borough of King's Lynn.
G. D. OLIVER	Port Health Inspector	1.8.60 till 14.10.61	M.R.S.H., M.A.P.H.I., Dip. R.I.P.H.H.	Public Health Inspector, Borough of King's Lynn.

Address and Telephone Number of the Medical Officer of Health:

Offices: Town Hall, King's Lynn. *Telephone:* King's Lynn 5001-6. Ext. 6.

15, Nelson Street, King's Lynn. *Telephone:* King's Lynn 3643.

Residence: "Acacia House," Grimston Road, South Wootton, King's Lynn. *Telephone:* King's Lynn 4195.

Address and Telephone Number of the Senior Port Health Inspector:—

Office: Town Hall, King's Lynn. *Telephone:* King's Lynn 5001-6. Ext. 6.

Residence: 19, Queen Mary Road, Gaywood, King's Lynn.

Section II. AMOUNT OF SHIPPING ENTERING THE DISTRICT DURING THE YEAR. Table B.

Ships	Number	Tonnage	Number Inspected		Number of Ships reported as having, or having had during the voyage Infectious Disease on Board
			By the Port Medical Officer of Health	By the Port Health Inspector	
Foreign	439	117762	25	300	Nil
Coastwise	727	230482	19	479	Nil
TOTAL	1166	348244	44	779	Nil

Section III. CHARACTER OF SHIPPING AND TRADE DURING THE YEAR. Table C.

Passenger Traffic:	Number of Passengers INWARDS:	British 11	Alien 72	TOTAL 83.
	Number of Passengers OUTWARDS:	British 50	Alien 71	TOTAL 121.
Cargo Traffic:	Principal IMPORTS:	Petroleum; Fertiliser; Timber; Grain; and General.		
	Principal EXPORTS:	Grain; Sugar; and General.		
Principal Ports from which Ships arrive:	Rotterdam, Antwerp, Hamburg, Casablanca, Bremen, Mantyluoto, Barcelona, Gothenburg, Hamina, Kasko, Toppila, Halmstad, Ymuden, Danzig, Amsterdam, Stettin.			

Section IV. INLAND BARGE TRAFFIC.

NIL

Section V. WATER SUPPLY.

No change.

Section VI. Public Health (Ships) Regulations, 1952.

No change.

Section VII. Smallpox.

(1) *Hospital.*

By the arrangements of the East Anglian Regional Hospital Board, the Smallpox Hospital for the area is:—

St. Helen's Hospital,
Ipswich.

(2) *Transport.*

The Ambulance Transport is provided by the Ipswich Ambulance Service.

(3) *Smallpox Consultants.*

(a) Dr. W. M. Oliver, M.B.E., Norfolk and Norwich Hospital, Norwich.

(b) Dr. A. G. Smith, 24 Unthank Road, Norwich.

(c) Dr. R. A. Leader, Elm Street, Ipswich.

(4) *Facilities of Laboratory Diagnosis of Smallpox.*

Specimens would be sent to Dr. A. D. Macrae, Virus Reference Laboratory, Colindale Avenue, London, N.W.9. Notification of despatch would be given by Telephone (Colindale 7041).

Section VIII. Venereal Diseases.

No change.

**Section IX. CASES OF NOTIFIABLE AND OTHER
INFECTIOUS DISEASES ON SHIPS. Table D.**

	Disease	Number of Cases during the year		Number of Ships concerned
		Passen- gers	Crew	
Cases landed from Ships from Foreign Ports	Nil	Nil	Nil	Nil
Cases which have occurred on ships from foreign Ports but have been disposed of before arrival.	Nil	Nil	Nil	Nil
Cases landed from Other Ships.	Nil	Nil	Nil	Nil

Section X. Observation on the Occurrence of Malaria in Ships.

No cases were reported.

Section XI. Measures taken against Ships Infected with or Suspected for Plague.

No action.

Section XII. Measures against Rodents in Ships from Foreign Ports.

With the co-operation of the Port Authorities arrangements have been made for:—

- (a) All ropes, warps, etc., used for mooring the ship to be fitted with canvas rat-guards, 2 ft. long to be daily coated with tar, or fitted with shield, or discs. All rat guards are fitted clear of the ships and quay, and are adjusted with the rise and fall of the tide.
- (b) No gangways, chutes or planks, etc., connecting the ship to the shore, except those in actual use, are permitted. Those in use are withdrawn as soon as possible at night.

These measures are carried out as a practice on all vessels from Africa, and grain-carrying ships, when conditions in the latter case allow it.

1. *Procedure for Inspection of Ships for Rats.*

Regular inspection of ships are carried out by the Port Health Inspectors and Rodent Operatives.

2. *Arrangements for the Bacteriological or Pathological Examinations of Rodents.*

Post mortem examination, and examination of stained films can be done at the Port Health Office. The Norwich Public Health Laboratory Service is also available for bacteriological and pathological examinations.

No rats were examined during the year.

3. *Arrangements in the District for De-Ratting Ships, the Methods used etc.*

The Port is an approved one for the issue of De-Ratting Certificates and De-ratting Exemption Certificates, and during the year 18 De-Ratting Exemption Certificates were issued.

Should occasion arise for a vessel to be de-ratted, a number of contracting companies who specialise in this work are prepared to come to the Port to carry out the necessary work. A list of these companies has been sent to all local Shipping Agents. The methods to be used would be fumigation by HCN or SO₂, trapping or poisoning.

4. *Progress in the Rat-Proofing of Ships.*

Generally satisfactory.

Rodents Destroyed during the Year in Ships from Foreign Ports.

<i>Category</i>					<i>Number</i>
Black Rats	...	...	...	...	Nil
Brown Rats	...	...	...	...	Nil
Species not known	...	...	...	...	Nil
Sent for Examination	...	...	...	...	Nil
Infected with Plague	...	...	...	...	Nil

Two Rodent Operatives are employed jointly by the King's Lynn Borough and Port Health Authority. In addition to the inspections made by the Port Medical Officer and Port Public Health Inspectors, the ships in the Port, Quay, Wharves and Warehouses in the vicinity of the Docks are inspected by the Rodent Operatives systematically.

In general, the wharves and warehouses are of modern construction, and are rat proof.

Approximately 75 brown rats and no black rats were destroyed from the Docks, Quay, Wharves and Warehouses during the year.

TABLE F.
De-Ratting Certificates and De-Ratting Exemption Certificates
issued during the Year for Ships from Foreign Ports.

HGN	After Fumigation with Other Fumigant (state method)	After Trapping	After Poisoning	Total	Number of De-Ratting Exemption Certificates Issued	Total Certificates issued
1	2	3	4	5	6	7
Nil	Nil	Nil	Nil	Nil	18	18

Prevention of Damage by Pests Act, 1949.

Prevention of Damage by Pests (Application to Shipping) Act, 1951.

Number of Applications received for granting Rodent Control Certificates — Nil.
 Number of vessels inspected for the purpose of granting Rodent Control Certificates — Nil.
 Number of Rodent Control Certificates granted in accordance with Article 3(2) (b) of the Order — Nil.
 Number of Inspections of Dock Premises — 435.

Section XIII. Inspection of Ships for Nuisances. Table G.

Nature and Number of Inspections	INSPECTIONS and NOTICES			Results of Serving Notices
	Notices Served		Other Notices	
	Statutory Notices			
	Nil	14		
Routine Inspection ... 823	Nil		14	Nuisances abated
Total: ... 823	Nil		14	—

Section XIV.

Public Health (Shellfish) Regulations, 1934/1938.

There were no complaints during the year about the quality of mussels sent out from King's Lynn.

Results of Analyses.

1. 14th February, 1961.. *Mussels — Nun Buoy Middle Daisley Sand.*

Probable number of coliform bacilli per 1 ml. of mussel flesh.	...	55
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Probable number of Bact. coli (Type 1) per 1 ml. of mussel flesh.	...	4
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Mussels — Keel Run Daisley Sand.

Probable number of coliform bacilli per 1 ml. of mussel flesh.	...	19
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Probable number of Bact. coli (Type 1) per 1 ml. of mussel flesh.	...	2
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2. 27th February, 1961. *Mussels — Daisley Sand Nun Buoy Middle.*

Probable number of coliform bacilli per 1 ml. of mussel flesh.	...	8
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Probable number of Bact. coli (Type 1) per 1 ml. of mussel flesh.	...	1
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Mussels — Daisley Sand South East Corner.

Probable number of coliform bacilli per 1 ml. of mussel flesh.	...	75
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Probable number of Bact. coli (Type 1) per 1 ml. of mussel flesh.	...	4
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3. 27th March, 1961. *Mussels — Daisley Sand Nun Buoy Middle Southern End.*

Probable number of coliform bacilli per 1 ml. of mussel flesh.	...	3
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Probable number of Bact. coli (Type 1) per 1 ml. of mussel flesh.	...	0
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Mussels — Daisley Sand South East Corner.

Probable number of coliform bacilli per 1 ml. of mussel flesh.	...	6
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Probable number of Bact. coli (Type 1) per 1 ml. of mussel flesh.	...	0
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Section XV.

Medical Inspection of Aliens (Applicable only to Ports Approved for the Landing of Aliens).

No change.

Section XVI.

Miscellaneous.

No change.

Conclusion.

I have to thank the Officers of H.M. Customs, King's Lynn Conservancy Board, British Transport Commission (Docks); Eastern Sea Fisheries Joint Committee, the Shipping Companies, and the owners of Commercial Premises on the Docks, for their willing help and ready co-operation.

I have the honour to be,

Your obedient Servant,

C. T. JONES,

Port Medical Officer of Health.

